

Addendum 3
RFP 2024-01 Public Safety Radio System

PROPOSERS must acknowledge this Addendum in your proposal cover letter. All addenda will be posted on the eVA procurement site.

The deadline for proposal submission remains November 3, 2023, at 4:00pm.

Attachments to this addendum include:

- Franklin Southampton Proposer Questions 20230907
- Southampton Courthouse VHF BDA System Layout

Franklin Southampton RFP Questions and Answers

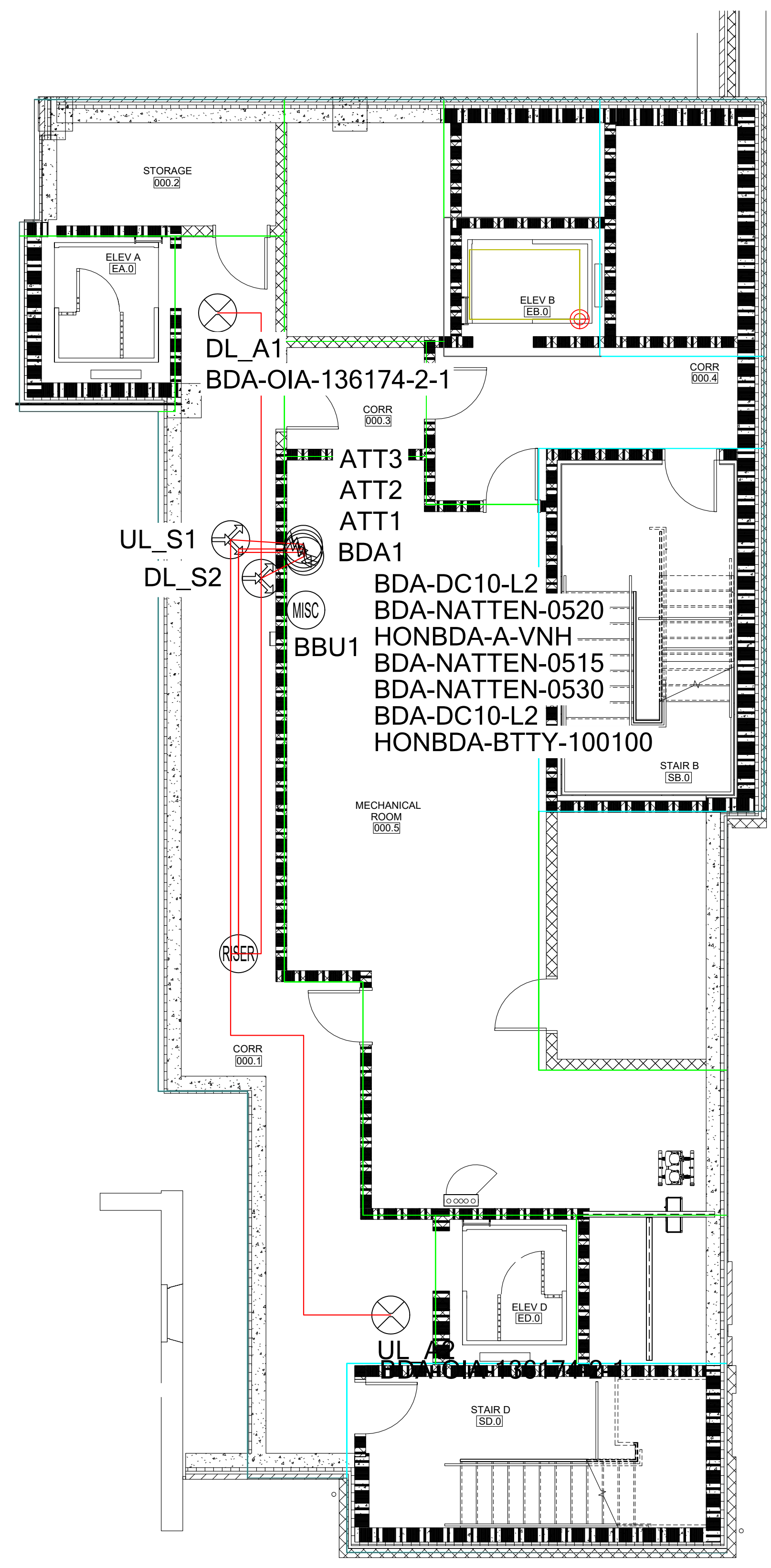
Date Submitted	#	RFP Section Number/ Name	Clarification Request	Client Response/ Clarification
8/28/2023	18	6.3.5.4 Service Area Reliability	Our coverage maps display tiled coverage with both signal level reliability and TDI integrated as one color. If either component fails to meet overall reliability criteria the affected tile is colored as not having coverage. Is this acceptable?	Addenda #3 September 7, 2023 This is acceptable if all tiles with TDI are shown as no coverage.
8/28/2023	19	6.3.5.4 Service Area Reliability	Can the City/County please further define unbounded coverage?	Addenda #3 September 7, 2023 Unbounded coverage is coverage that extends past the three (3) RFP defined coverage areas, even if it is not included in Service Area Reliability calculations.
8/28/2023	20	6.1.4 Interoperability	Can the City/County list where the legacy HEAR, 8CALL, 8TAC, VCALL, VTAC, VCU and Maryview channels are located? Also, can the City/County confirm that the preferred interface to the NPSTC is control stations?	Addenda #3 September 7, 2023 Existing EMS-HEAR, VCALL, Maryview, and VTAC channels are currently only in mobile radios. EMS-HEAR, VCALL, VTAC, 8CALL, and 8TAC control stations are to be located at the ECCs. NPSTC frequency should also be included in the subscribers where appropriate.
8/28/2023	21	4.8.9 MANDATORY OPTION: Asset Management	Can the City/County confirm how many user licenses the City/County will be needed? Do you want vendor and/or their subcontractor to host the asset management solution in their cloud environment or do you want it to reside on the City/County 's network?	Addenda #3 September 7, 2023 Please provide a minimum of two (2) core user licenses for the City of Franklin and two (2) for Southampton County, total four (4) core. Provide a minimum of four (4) light user licenses for the City of Franklin and four (4) for Southampton County, total eight (8) light.
8/28/2023	22	6.3.4.2 Geo-Redundant P25 System Cores	Does the City/County accept meeting the intent of the requirement by utilizing a non-core-based distributed architecture?	Addenda #3 September 7, 2023 Yes, the City/County accepts meeting the intent of the requirement, utilizing non-core based distributed architecture.
8/28/2023	23	6.6.1 Station Announcement System	Can the City/County provide what are the alerting capabilities of existing system?	Addenda #3 September 7, 2023 Currently all stations are alerted via the paging systems. Only Hunterdale VFD has a siren initiated by the paging system.
8/28/2023	24	7.2.3.1 Path Availability	The RFP calls out the use of three (3) different clearance criteria. However, industry standard software like Pathloss only allows for the use of two (2) different clearance criteria at a time. Can you please specify which of the criteria are preferred for propagation analysis?	Addenda #3 September 7, 2023 The Owner expects OFFERORS to use industry best practices and clearly explain the parameters used in the proposed design.
8/28/2023	25	4.8.1.3 MANDATORY OPTION: Subscriber Additional Warranty	Is it the intention for the City/County to have a total of 5 years for the radio warranty or is it a total of 7 years?	Addenda #3 September 7, 2023 7 years.

Date Submitted	#	RFP Section Number/ Name	Clarification Request	Client Response/ Clarification
8/28/2023	26	6.6.1 Station Announcement System	Can the City/County provide floorplans for the stations requiring all new alerting system infrastructure/hardware? Is the City/County looking for only over the radio paging for station alerting, or should we incorporate CAD alerting into the project?	Addenda #3 September 7, 2023 The RFP requires station announcement over intercom for alerts via the over air paging system. If the station does not have an intercom system, one should be provided. In the pricing worksheet, add a note with the assumed station size for pricing (example Hunterdale station). CAD alerting is NOT a requirement of this project.
8/28/2023	27	7.6.2 Transport Node Equipment	What DS3/DS1 traffic is currently being carried right now? Are there legacy circuits that we need to consider? If not, can we delete this requirement?	Addenda #3 September 7, 2023 The City has a fiber link between the Franklin Police Department and the Hunterdale Water Tank site. If this link would be used in your proposed design, then the existing connectivity must be maintained.
9/5/2023	28	6.3.5.5	Can the County provide the following information: 1. Can the scaled architectural drawings be provided for the Courthouse? 2. Please provide the wall characteristics of the Courthouse (i.e. Brick)? 3. Please provide what material is used for outside wall of the Courthouse expansion? 4. Please provide what material is used for the wall on the inside of the Courthouse building?	Addenda #3 September 7, 2023 See attachment Southampton Courthouse VHF BDA System Layout for information regarding Southampton County Courthouse.
9/1/2023	29	1.1 purpose	The County of Southampton, Virginia, and the City of Franklin require a new P25 Phase 2 trunked radio system configuration that will provide the required coverage, capacity, and seamless interoperability with surrounding jurisdictions using 700/800 MHz P25 Trunked Radio Systems. Are 800 MHz channels acceptable for use in the system design?	Addenda #3 September 7, 2023 800 MHz frequencies may be used provided securing the licenses will not extend the project schedule.
9/5/2023	30	9.3	Can the County provide current electrical and heat loads for the existing RF sites?	Addenda #3 September 7, 2023 This information is not available. Offerors were expected to capture all necessary information during the mandatory site visits.
9/5/2023	31	7.5.1	Can we have Fiber Topology for Franklin/Southampton RF Site Locations listed in the RFP?	Addenda #3 September 7, 2023 Currently there is only one fiber link in use, from the Franklin Police Department to the Hunterdale Water Tower site.

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Pictograms legend

	Antenna
	Attenuator
	MISC
	BBU
	BDA
	Splitter



BASEMENT FLOOR PLAN
SCALE: 3/16"=1'-0"

Full Scale Verification
0" 1"

**BDA SYSTEM
BASEMENT FLOOR PLAN**

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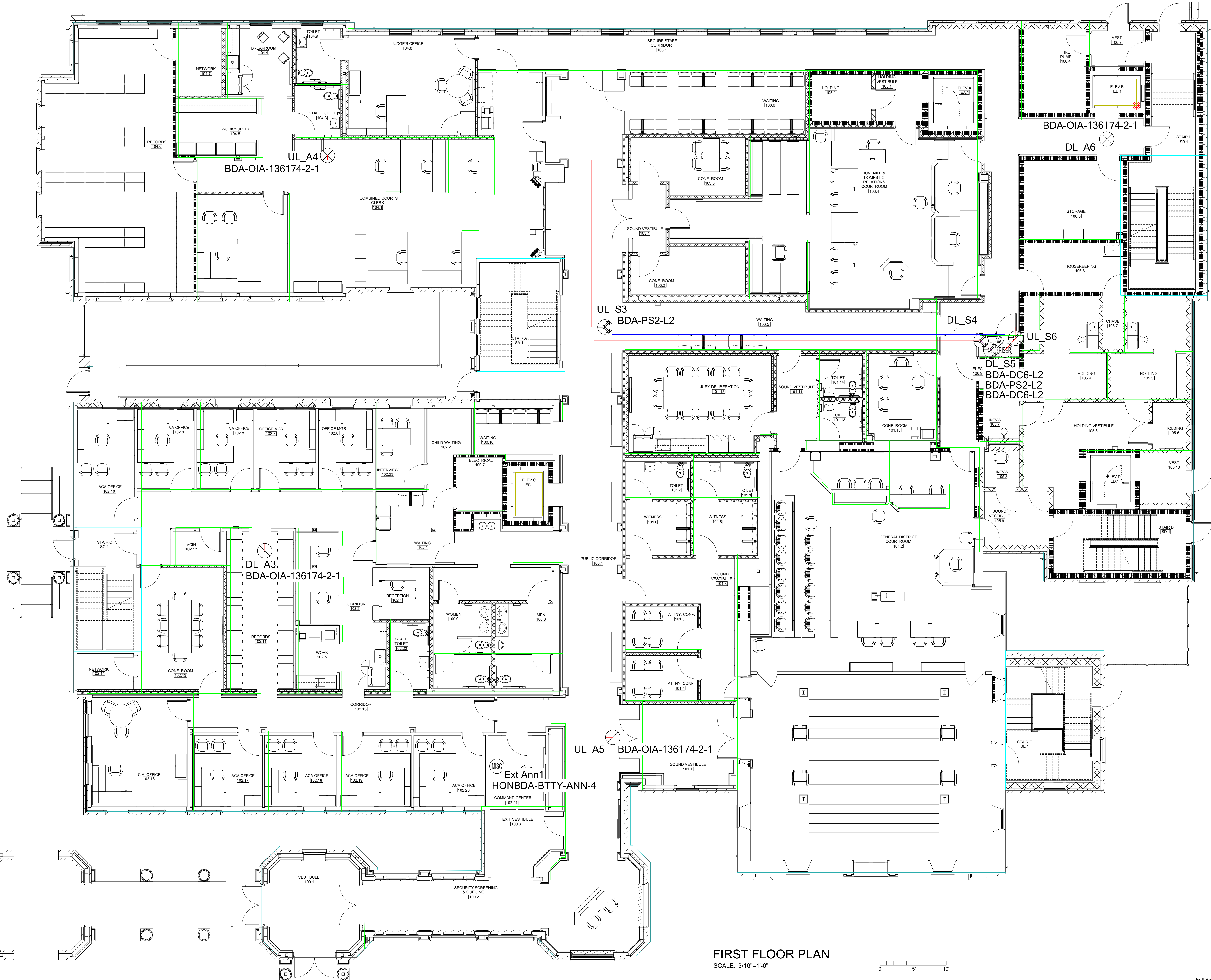
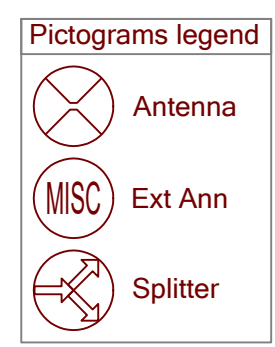
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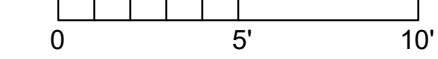


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BDA-01



FIRST FLOOR PLAN
SCALE: 3/16"=1'-0"



Full Scale Verification
0" 1"

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FIRST FLOOR PLAN

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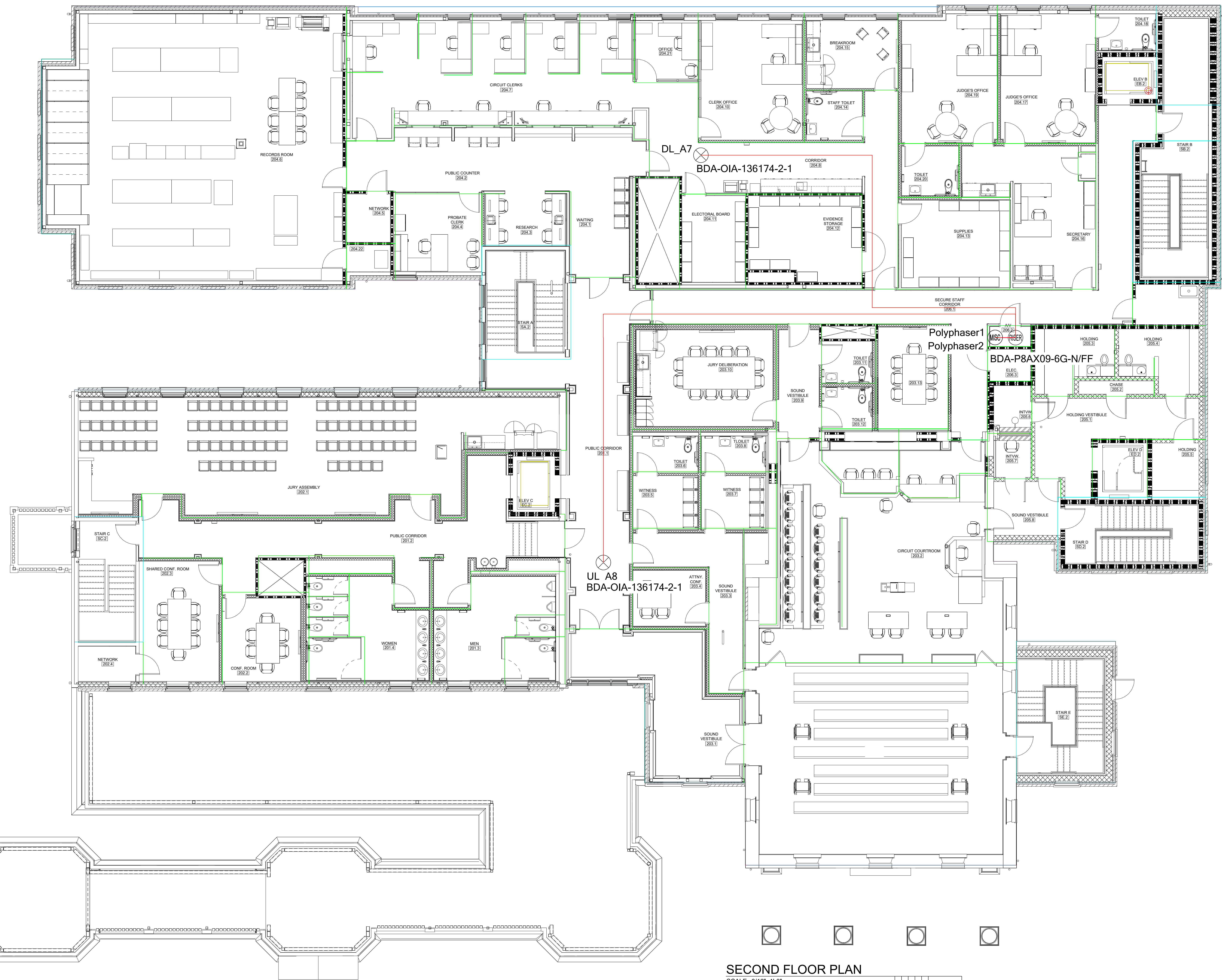
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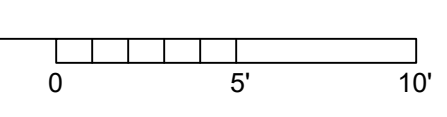
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Pictograms legend
⊗ Antenna
MISC Polyphaser

SECOND FLOOR PLAN
SCALE: 3/16"=1'-0"



Full Scale Verification
0" 1"

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BDA SYSTEM ROOF PLAN

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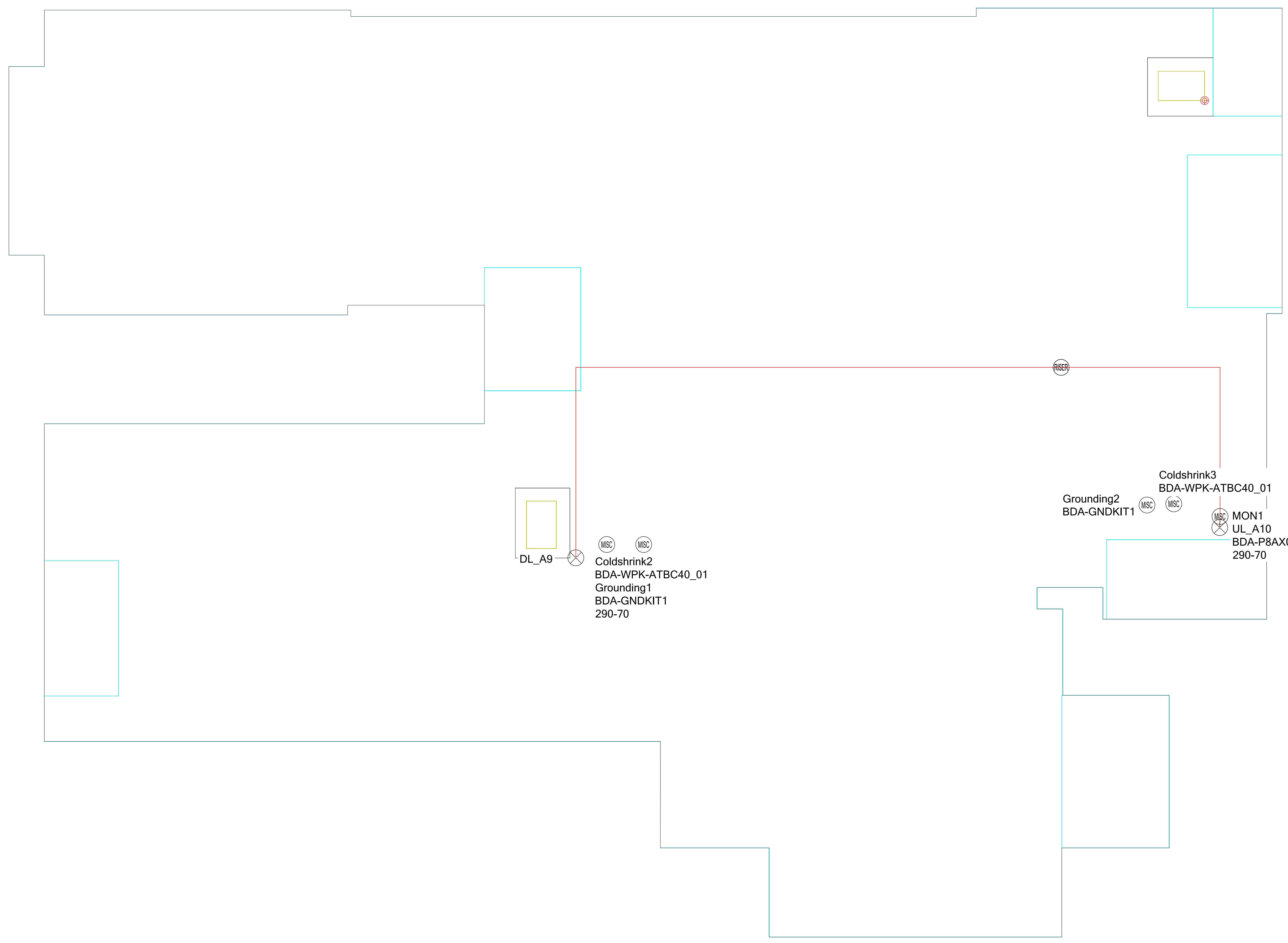
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SHEET 4 OF 10

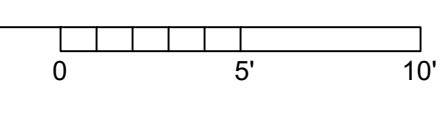


Pictograms legend

	Antenna
	Coldshrink
	Grounding
	Monitoring Kit

ROOF PLAN

SCALE: 3/16"=1'-0"



Full Scale Verification
0' 1'

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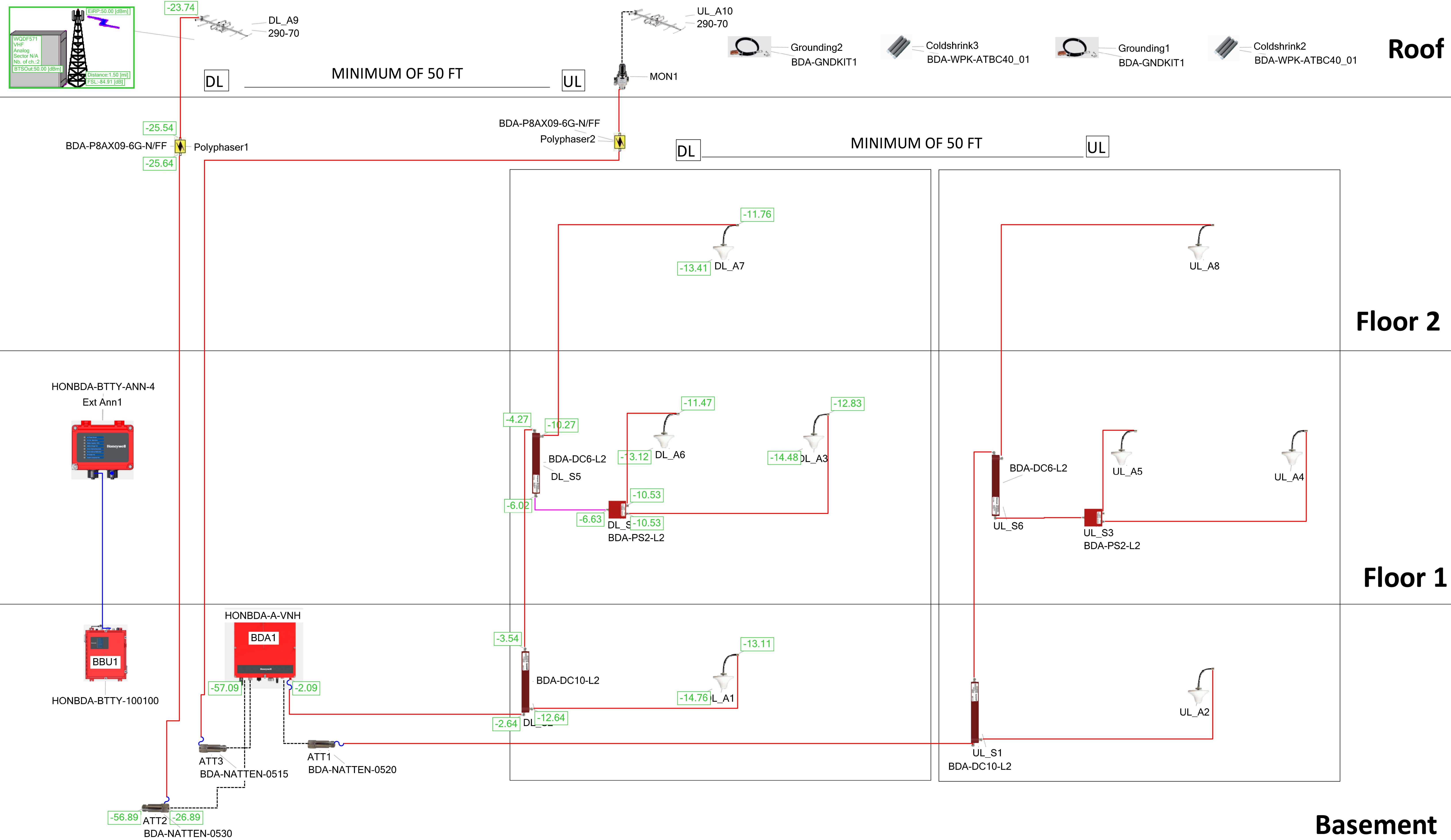
Legend

- VHF Yagi Antenna 138-174 MHz - 9.5 dBd Gain - N-Male 290-70
- Omni indoor Antenna 136-174MHz 2dBi BDA-OIA-136174-2-1
- Coaxial surge protector, UL listed BDA-P8AX09-6G-N/FF

- DIRECTIONAL COUPLERS, 6 dB coupling, 136 - 870MHz BDA-DC6-L2
- 2 way POWER SPLITTERS, 136-870 MHz BDA-PS2-L2
- Coaxial RF Surge Protector, DC - 6GHz, 90W, IP67, 60 V Max BDA-P8AX09-6G-N/FF
- ATTENUATOR, 5W, xdB, N Type Connectors, 1 - 3000MHz BDA-NATTEN-05xx

- Coaxial Cable Jumper NM-NM 1/4" Superflex, Outdoor UV, 48" long BDA-NM-RG8-13-NM
- AirCell® Red Plenum, 1ft, 1/2", 50 Ohm, Corrugated (6 GHz), Jacketed CMP, Conforms to NFPA-262. UL-444. Canadian CSA 22.2/FT6 AP6012J50RD-1
- Coaxial Cable Grounding Kit BDA-GNDKIT1
- Weatherproofing Silicone Coldshrink for EOL Assembly, 9.8"L BDA-WPK-ATBC40_01

- DIGITAL SIGNAL BOOSTER.VHF 136-174MHz, +24dBm, 32 filters +2 Adj sub bands, NFPA, class A, AC & DC, No Internal Duplexer HONBDA-A-VNH
- Battery Backup (BBU) 100AH, 24VDC HONBDA-BTTY-100100
- Remote annunciator without dry contacts (ANN1) NFBDA-BTTY-ANN-4



BDA SYSTEM RISER DIAGRAM

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